

# ABSTRACT OF SANITARY REPORTS.

VOL. VI. WASHINGTON, D. C., SEPTEMBER 11, 1891. No. 37.

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## UNITED STATES.

### VESSELS REMAINING, ARRIVING AT, AND DEPARTING FROM UNITED STATES QUARANTINE STATIONS.

#### CAPE CHARLES QUARANTINE.

*Week ended September 4, 1891.*

| Name of vessel.              | Date of arrival. | Where from.  | Destination. | Treatment of vessel and cargo. | Date of dep'ture. |
|------------------------------|------------------|--------------|--------------|--------------------------------|-------------------|
| Spanish Steamship Enrique... | Aug. 2           | Cienfuegos.. | Norfolk..... | Held for disinfection.         |                   |

Five vessels inspected and passed. Fifteen vessels spoken.

#### DELAWARE BREAKWATER QUARANTINE.

*Week ended September 5, 1891.*

Twelve vessels inspected and passed.

#### GULF QUARANTINE.

*Week ended September 3, 1891.*

|                                      |         |                                 |               |                        |         |
|--------------------------------------|---------|---------------------------------|---------------|------------------------|---------|
| French ship Emil Postel (a)....      | Aug. 8  | Vera Cruz via Pensacola.        | Pensacola.... | Disinfected.....       | Sept. 1 |
| Swedish b'k'tine Mary Lee(a)..       | Aug. 23 | Para via Pensacola.             | Pensacola.... | Held for disinfection. |         |
| Norwegian bk.Lindesnaes(a)..         | Aug. 25 | Santos via Barbados and Mobile. | Mobile.....   | .....do.....           |         |
| Argentine Rep. bark Abbottsford (b). | Sept. 1 | Rio de Janeiro.                 | Mobile.....   | .....do.....           |         |

a Previously reported.

b Four cases of sickness at Rio, the nature of which is doubtful.

#### PORT TOWNSEND QUARANTINE.

*Week ended August 29, 1891.*

Five vessels spoken and passed.

#### SAN DIEGO QUARANTINE.

*Week ended September 1, 1891.*

Six vessels boarded, inspected, and passed.

## VESSELS REMAINING, ARRIVING AT, AND DEPARTING FROM UNITED STATES QUARANTINE STATIONS—Continued.

## SOUTH ATLANTIC QUARANTINE.

Week ended August 29, 1891.

| Name of vessel.                    | Date of arrival. | Where from.                          | Destina-<br>tion.    | Treatment of vessel<br>and cargo.         | Date of<br>dep'ture. |
|------------------------------------|------------------|--------------------------------------|----------------------|---|----------------------|
| Norwegian bark Trofest (a)...      | Aug. 7           | Santos.....                          | Savannah ..          | Unballasted and<br>disinfected.           | Aug. 26              |
| Argentine bark John Black (a)      | Aug. 11          | Rio de Jan-<br>eiro.                 | Brunswick ..         | Unballasted and<br>held for disinfection. |                      |
| German bark Wieland (a).....       | Aug. 11          | .....do.....                         | Savannah ..          | .....do.....                              |                      |
| Norwegian bark P. A.<br>Munch (a). | Aug. 22          | Rio de Jan-<br>eiro via<br>Barbados. | .....do.....         | .....do.....                              |                      |
| British bark Aeronaut .....        | Aug. 23          | Rio de Jan-<br>eiro.                 | Fernandina.          | .....do.....                              |                      |
| Russian ship Vanadis.....          | Aug. 24          | .....do.....                         | Sapelo Sound         | Disinfected.....                          | Aug. 29              |
| Belgian bark Theodore<br>Engels.   | Aug. 26          | .....do.....                         | Wilmington,<br>N. C. | .....do.....                              | Aug. 29              |

a Previously reported.

Week ended September 5, 1891.

|                                    |         |                                      |              |                                 |         |
|------------------------------------|---------|--------------------------------------|--------------|---------------------------------|---------|
| Argentine bark John Black (a)      | Aug. 11 | Rio de Jan-<br>eiro.                 | Brunswick .. | Unballasted and<br>disinfected. | Sept. 1 |
| German bark Wieland (a).....       | Aug. 11 | .....do.....                         | Savannah ..  | .....do.....                    | Sept. 1 |
| Norwegian bark P. A.<br>Munch (a). | Aug. 22 | Rio de Jan-<br>eiro via<br>Barbados. | .....do..... | .....do.....                    | Sept. 4 |
| British brig Aeronaut (a).....     | Aug. 23 | Rio de Jan-<br>eiro.                 | Fernandina.  | .....do.....                    |         |
| Norwegian bark Helios.....         | Sept. 3 | .....do.....                         | Savannah ..  | Held for disinfec-<br>tion.     |         |

a Previously reported.

*Reports of States, and yearly and monthly reports of cities.*

DELAWARE—*Wilmington*.—Month of August, 1891. Population, 61,431. Total deaths, 141, including phthisis pulmonalis, 11; enteric fever, 3; diphtheria, 5; croup, 1; and whooping cough, 6.

FLORIDA—*Pensacola*.—Month of August, 1891. Population, 11,750. Total deaths, 24, including phthisis pulmonalis 1 and enteric fever 6.

INDIANA—*Evanville*.—Month of August, 1891. Population, 50,756. Total deaths, 72, including phthisis pulmonalis, 10; enteric fever, 11; diphtheria, 4; and croup, 1.

IOWA—*Keokuk*.—Month of August, 1891. Population, 14,101. Total deaths, 13, including phthisis pulmonalis 1 and diphtheria 2.

MICHIGAN.—Week ended August 29, 1891. Reports to the State board of health, Lansing, from 70 observers indicate that membranous croup, pleuritis, typho-malarial fever, inflammation of brain, cerebro-spinal meningitis, tonsillitis, and dysentery increased, and puerperal fever, typhoid fever, and pneumonia decreased in area of prevalence.

Diphtheria was reported present during the week at 38 places, scarlet fever at 37 places, enteric fever at 40 places, and measles at 12 places.

Month of August, 1891. Reports from observers, compared with the preceding month, indicate that typho-malarial fever, typhoid fever, dysentery, and cholera infantum increased, and that puerperal fever, membranous croup, pleuritis, measles, influenza, inflammation of brain, diphtheria, erysipelas, and cerebro-spinal meningitis decreased in prevalence.

Compared with the average for the month of August in the five years 1886-'90 scarlet fever was more prevalent, and smallpox, membranous croup, puerperal fever, erysipelas, typho-malarial fever, inflammation of brain, pneumonia, and cerebro-spinal meningitis were less prevalent in August, 1891.

Including reports by regular observers and others, diphtheria was reported present in the month of August, 1891, at 62 places, scarlet fever at 79 places, typhoid fever at 58 places, and measles at 22 places.

Reports from all sources show diphtheria reported at 4 places less, scarlet fever at 3 places less, typhoid fever at 5 places less, and measles at 30 places less in the month of August, 1891, than in the preceding month.

*Grand Rapids.*—Month of August, 1891. Population, 60,278. Total deaths, 143, including phthisis pulmonalis 11 and diphtheria 11.

*MINNESOTA—Winona.*—Month of August, 1891. Population, 19,000. Total deaths, 25, including phthisis pulmonalis 3.

*MISSOURI—St. Louis.*—Month of July, 1891. Population, 451,770. Total deaths, 864, including phthisis pulmonalis, 66; enteric fever, 17; scarlet fever, 2; diphtheria 14; measles, 6; croup, 5; and whooping cough, 9.

*NORTH CAROLINA.*—Month of July, 1891. Reports to the State board of health from 11 towns, having an aggregate population of 73,370, show a total of 130 deaths, including phthisis pulmonalis, 11; enteric fever, 5; and whooping cough, 1.

*OHIO—Cincinnati.*—Month of August, 1891. Population, 296,908. Total deaths, 493, including phthisis pulmonalis, 58; enteric fever, 16; scarlet fever, 5; diphtheria, 14; croup, 4; and whooping cough, 2.

*Cleveland.*—Month of August, 1891. Population, 261,353. Total deaths, 492, including phthisis pulmonalis, 25; enteric fever, 19; scarlet fever, 5; diphtheria, 8; croup, 4; and whooping cough, 5.

*Dayton.*—Month of August, 1891. Population, 61,220. Total deaths, 96, including phthisis pulmonalis, 5; enteric fever, 1; scarlet fever, 1; diphtheria, 3; croup, 3; and whooping cough, 1.

VIRGINIA—*Lynchburg*.—Month of August, 1891. Population, 19,709. Total deaths, 36, including 3 from enteric fever.

*Publications received.*

Ninth annual report of the provincial board of health of Ontario for the year 1890.

The relation of land monopoly to population and health, by George Homan, M. D.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

| Cities.             | Week ended. | Population, U. S. Census of 1880. | Total deaths from all causes. | Deaths from—      |               |           |           |            |               |                |                |             |          |
|---------------------|-------------|-----------------------------------|-------------------------------|-------------------|---------------|-----------|-----------|------------|---------------|----------------|----------------|-------------|----------|
|                     |             |                                   |                               | Infantis monalis. | Yellow fever. | Smallpox. | Varicoid. | Varicella. | Typhus fever. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. |
| New York, N. Y.     | Sept. 5.    | 1,515,301                         | 736                           | 73                |               |           |           |            |               | 10             | 13             | 22          | 5        |
| Chicago, Ill.       | Sept. 5.    | 1,020,850                         | 419                           | 32                |               |           |           |            |               | 39             | 5              | 16          | 3        |
| Philadelphia, Pa.   | Aug. 29.    | 1,046,964                         | 377                           | 35                |               |           |           |            |               | 4              | 4              | 4           | 1        |
| Brooklyn, N. Y.     | Aug. 29.    | 806,343                           | 360                           | 34                |               |           |           |            |               | 4              | 3              | 7           | 1        |
| Brooklyn, N. Y.     | Sept. 5.    | 806,343                           | 336                           | 24                |               |           |           |            |               | 3              | 3              | 7           | 1        |
| St. Louis, Mo.      | Sept. 5.    | 451,770                           | 164                           |                   |               |           |           |            |               | 5              | 5              | 4           | 3        |
| Boston, Mass.       | Sept. 5.    | 448,477                           | 188                           | 29                |               |           |           |            |               | 3              | 3              | 2           | 2        |
| San Francisco, Cal. | Aug. 29.    | 298,997                           | 16                            |                   |               |           |           |            |               | 3              | 1              | 1           | 5        |
| Cincinnati, Ohio.   | Sept. 4.    | 296,908                           | 163                           | 12                |               |           |           |            |               | 3              | 3              | 2           | 2        |
| New Orleans, La.    | Aug. 29.    | 242,009                           | 103                           | 14                |               |           |           |            |               | 1              |                |             |          |
| Pittsburgh, Pa.     | Aug. 29.    | 238,617                           | 132                           | 16                |               |           |           |            |               | 10             |                | 4           | 2        |
| Pittsburgh, Pa.     | Sept. 5.    | 238,617                           | 107                           |                   |               |           |           |            |               | 7              |                | 3           | 4        |
| Washington, D. C.   | Aug. 29.    | 230,392                           | 104                           | 7                 |               |           |           |            |               | 3              |                | 1           | 4        |
| Detroit, Mich.      | Aug. 29.    | 205,876                           | 79                            |                   |               |           |           |            |               | 3              |                | 3           | 3        |
| Louisville, Ky.     | Sept. 5.    | 161,129                           | 53                            | 5                 |               |           |           |            |               | 3              |                | 3           | 3        |
| Rochester, N. Y.    | Sept. 5.    | 133,896                           | 36                            |                   |               |           |           |            |               |                |                |             |          |
| Kansas City, Mo.    | Aug. 22.    | 132,716                           | 27                            | 3                 |               |           |           |            |               |                |                |             |          |
| Kansas City, Mo.    | Aug. 29.    | 132,716                           |                               | 3                 |               |           |           |            |               | 3              |                |             |          |
| Providence, R. I.   | Aug. 29.    | 132,146                           | 54                            |                   |               |           |           |            |               |                |                | 1           |          |
| Providence, R. I.   | Sept. 5.    | 132,146                           | 58                            | 9                 |               |           |           |            |               | 3              |                |             |          |
| Toledo, Ohio.       | Sept. 4.    | 81,434                            | 16                            |                   |               |           |           |            |               |                |                | 1           |          |
| Richmond, Va.       | Aug. 29.    | 81,388                            | 45                            | 7                 |               |           |           |            |               | 2              |                | 8           |          |
| Nashville, Tenn.    | Sept. 5.    | 76,168                            | 14                            |                   |               |           |           |            |               | 1              |                |             | 1        |
| Fall River, Mass.   | Sept. 4.    | 74,398                            | 39                            | 1                 |               |           |           |            |               | 1              |                |             | 1        |
| Lynn, Mass.         | Aug. 29.    | 55,727                            | 24                            |                   |               |           |           |            |               |                |                | 1           |          |
| Portland, Me.       | Sept. 5.    | 36,425                            | 10                            |                   |               |           |           |            |               |                |                |             |          |
| Binghamton, N. Y.   | Sept. 5.    | 35,005                            | 21                            | 1                 |               |           |           |            |               |                |                |             |          |
| Yonkers, N. Y.      | Sept. 5.    | 32,033                            | 12                            | 2                 |               |           |           |            |               |                | 1              | 1           |          |
| Mobile, Ala.        | Sept. 5.    | 31,076                            | 15                            | 2                 |               |           |           |            |               | 1              |                |             |          |
| Altoona, Pa.        | July 4.     | 30,337                            | 7                             | 1                 |               |           |           |            |               |                |                |             |          |
| Altoona, Pa.        | July 11.    | 30,337                            | 8                             | 1                 |               |           |           |            |               | 1              |                |             |          |
| Altoona, Pa.        | July 18.    | 30,337                            | 11                            |                   |               |           |           |            |               |                |                |             |          |
| Altoona, Pa.        | July 25.    | 30,337                            | 14                            |                   |               |           |           |            |               |                |                |             |          |
| Altoona, Pa.        | Aug. 1.     | 30,337                            | 23                            | 1                 |               |           |           |            |               |                |                |             |          |
| Altoona, Pa.        | Aug. 8.     | 30,337                            | 16                            | 1                 |               |           |           |            |               | 1              |                |             |          |
| Altoona, Pa.        | Aug. 15.    | 30,337                            | 16                            |                   |               |           |           |            |               | 1              |                |             |          |
| Altoona, Pa.        | Aug. 22.    | 30,337                            | 24                            |                   |               |           |           |            |               |                |                |             |          |
| Galveston, Tex.     | Aug. 28.    | 29,084                            | 17                            | 1                 |               |           |           |            |               | 1              |                |             |          |
| San Diego, Cal.     | Aug. 29.    | 16,159                            | 2                             |                   |               |           |           |            |               |                |                |             |          |
| Rock Island, Ill.   | Sept. 6.    | 13,634                            | 6                             |                   |               |           |           |            |               |                |                |             |          |
| Pensacola, Fla.     | Aug. 29.    | 11,750                            | 4                             |                   |               |           |           |            |               |                |                |             |          |
| Pensacola, Fla.     | Sept. 5.    | 11,750                            | 9                             |                   |               |           |           |            |               | 1              |                |             |          |

CORRECTION.—ABSTRACT, September 4, page 104, third name in list of cities, for Galveston, Tex., read Philadelphia, Pa.

Table of temperature and rainfall, week ended September 4, 1891.

[Received from Department of Agriculture, Weather Bureau.]

| Locality.                         | Mean temperature in degrees Fahrenheit. |         |             | Rainfall in inches and hundredths |         |             |
|-----------------------------------|---|---------|-------------|-----------------------------------|---------|-------------|
|                                   | Normal.                                 | Excess. | Deficiency. | Normal.                           | Excess. | Deficiency. |
| <b>New England States:</b>        |   |         |             |                                   |         |             |
| Eastport, Me.....                 | 58                                      |         | 0           | .74                               |         | .20         |
| Portland, Me.....                 | 62                                      |         | 0           | .77                               |         | .58         |
| Boston, Mass.....                 | 66                                      |         | 14          | .86                               |         | .44         |
| Block Island, R. I.....           | 60                                      |         | 14          | .70                               | .82     |             |
| <b>Middle Atlantic States:</b>    |   |         |             |                                   |         |             |
| Albany, N. Y.....                 | 67                                      |         | 14          | .91                               |         | .51         |
| New York, N. Y.....               | 70                                      |         | 14          | .98                               |         | .42         |
| Philadelphia, Pa.....             | 71                                      |         | 28          | .94                               |         | .23         |
| Atlantic City, N. J.....          | 69                                      |         | 14          | .88                               | .24     |             |
| Baltimore, Md.....                | 72                                      |         | 28          | .97                               |         | .09         |
| Washington, D. C.....             | 71                                      |         | 20          | .98                               |         | .16         |
| Lynchburg, Va.....                | 72                                      |         | 28          | .94                               |         | .84         |
| Norfolk, Va.....                  | 74                                      |         | 14          | 1.29                              |         | .84         |
| <b>South Atlantic States:</b>     |   |         |             |                                   |         |             |
| Charlotte, N. C.....              | 74                                      |         | 42          | 1.00                              |         | .40         |
| Wilmington, N. C.....             | 76                                      |         | 28          | 1.75                              | 1.01    |             |
| Charleston, S. C.....             | 78                                      |         | 14          | 1.50                              | .94     |             |
| Augusta, Ga.....                  | 79                                      |         | 42          | .98                               | .78     |             |
| Savannah, Ga.....                 | 78                                      |         | 14          | 1.68                              |         | 1.32        |
| Jacksonville, Fla.....            | 80                                      |         | 14          | 1.63                              |         | .71         |
| Key West, Fla.....                | 83                                      |         | 14          | 1.43                              | 3.45    |             |
| <b>Gulf States:</b>               |   |         |             |                                   |         |             |
| Atlanta, Ga.....                  | 74                                      |         | 28          | 1.09                              |         | .40         |
| Pensacola, Fla.....               | 80                                      |         | 14          | 1.6                               |         | 1.72        |
| Mobile, Ala.....                  | 79                                      |         | 14          | 1.49                              |         | .51         |
| Montgomery, Ala.....              | 78                                      |         | 0           | .80                               |         | .44         |
| Vicksburg, Miss.....              | 79                                      |         | 42          | 1.02                              |         | .92         |
| New Orleans, La.....              | 80                                      |         | 14          | 1.36                              |         | 1.04        |
| Shreveport, La.....               | 80                                      |         | 42          | .69                               | .30     |             |
| Fort Smith, Ark.....              | 76                                      |         | 28          | .91                               |         | .30         |
| Little Rock, Ark.....             | 77                                      |         | 42          | .91                               |         | .09         |
| Palestine, Tex.....               | 79                                      |         | 28          | .74                               |         | .36         |
| Galveston, Tex.....               | 81                                      |         | 0           | 1.61                              |         | 1.61        |
| San Antonio, Tex.....             | 80                                      |         | 0           | 1.02                              |         | 1.01        |
| Corpus Christi, Tex.....          | 80                                      |         | 0           | 1.47                              |         | 1.47        |
| Brownsville, Tex.....             | 82                                      |         | 14          | 1.43                              |         | .79         |
| Rio Grande City, Tex.....         | 84                                      | 14      |             | .88                               |         | .50         |
| <b>Ohio Valley and Tennessee:</b> |   |         |             |                                   |         |             |
| Memphis, Tenn.....                | 76                                      |         | 42          | .84                               | .26     |             |
| Nashville, Tenn.....              | 74                                      |         | 56          | 1.02                              |         | .40         |
| Chattanooga, Tenn.....            | 74                                      |         | 28          | 1.02                              | .28     |             |
| Knoxville, Tenn.....              | 73                                      |         | 42          | .93                               |         | .11         |
| Louisville, Ky.....               | 73                                      |         | 42          | .80                               | .36     |             |
| Indianapolis, Ind.....            | 69                                      |         | 28          | .70                               |         | .38         |
| Cincinnati, Ohio.....             | 72                                      |         | 42          | .66                               | 1.08    |             |
| Columbus, Ohio.....               | 69                                      |         | 24          | .73                               |         | .47         |
| Pittsburg, Pa.....                | 70                                      |         | 42          | .66                               |         | .09         |
| <b>Lake Region:</b>               |   |         |             |                                   |         |             |
| Oswego, N. Y.....                 | 64                                      |         | 0           | .60                               | .17     |             |
| Rochester, N. Y.....              | 65                                      |         | 14          | .59                               | .11     |             |
| Buffalo, N. Y.....                | 65                                      |         | 14          | .77                               |         | .39         |
| Erie, Pa.....                     | 66                                      |         | 14          | .88                               |         | .36         |
| Cleveland, Ohio.....              | 66                                      |         | 14          | .82                               |         | .48         |
| Sandusky, Ohio.....               | 68                                      |         | 14          | .77                               |         | .71         |
| Toledo, Ohio.....                 | 67                                      |         | 14          | .63                               | .05     |             |
| Detroit, Mich.....                | 66                                      |         | 27          | .63                               | .25     |             |
| Port Huron, Mich.....             | 64                                      |         | 14          | .56                               | .23     |             |
| Alpena, Mich.....                 | 60                                      |         | 14          | .82                               | .65     |             |
| Marquette, Mich.....              | 59                                      |         | 14          | .95                               |         | .53         |
| Grand Haven, Mich.....            | 63                                      |         | 14          | .81                               |         | .47         |
| Milwaukee, Wis.....               | 67                                      |         | 42          | .63                               |         | .25         |
| Chicago, Ill.....                 | 70                                      |         | 56          | .63                               |         | .43         |
| Duluth, Minn.....                 | 60                                      |         | 14          | .95                               | .21     |             |
| <b>Upper Mississippi Valley:</b>  |   |         |             |                                   |         |             |
| St. Paul, Minn.....               | 65                                      |         | 42          | .77                               |         | .47         |
| La Crosse, Wis.....               | 65                                      |         | 42          | 1.09                              |         | .73         |
| Dubuque, Iowa.....                | 67                                      |         | 42          | 1.02                              |         | .79         |
| Davenport, Iowa.....              | 68                                      |         | 42          | .77                               |         | .57         |
| Des Moines, Iowa.....             | 68                                      |         | 42          | .84                               |         | .81         |
| Keokuk, Iowa.....                 | 70                                      |         | 42          | .81                               |         | .79         |
| Springfield, Ill.....             | 70                                      |         | 42          | .77                               |         | .66         |
| Cairo, Ill.....                   | 74                                      |         | 42          | .63                               |         | .35         |
| St. Louis, Mo.....                | 73                                      |         | 28          | .74                               |         | .38         |



Table of temperature and rainfall, week ended September 4, 1891—Continued.

| Locality.                    | Mean temperature in degrees Fahrenheit. |         |             | Rainfall in inches and hundredths. |         |             |
|------------------------------|---|---------|-------------|------------------------------------|---------|-------------|
|                              | Normal.                                 | Excess. | Deficiency. | Normal.                            | Excess. | Deficiency. |
| <b>Missouri Valley:</b>      |   |         |             |                                    |         |             |
| Springfield, Mo.....         | 72                                      |         | 42          | .94                                |         | .50         |
| Kansas City, Mo.....         | 72                                      |         | 28          | 1.09                               |         | 1.07        |
| Concordia, Kans.....         | 71                                      |         | 28          | .79                                |         | .17         |
| Omaha, Nebr.....             | 69                                      |         | 28          | .77                                | .25     |             |
| Valentine, Nebr.....         | 65                                      |         | 2           | .28                                |         | .28         |
| Huron, S. Dak.....           | 64                                      |         | 14          | .45                                |         | .39         |
| Pierre, S. Dak.....          | 67                                      |         | 0           | .38                                |         | .31         |
| <b>Extreme Northwest:</b>    |   |         |             |                                    |         |             |
| Moorhead, Minn.....          | 61                                      |         | 15          | .61                                |         | .41         |
| Bismarck, N. Dak.....        | 62                                      |         | 0           | .38                                |         | .24         |
| Buford, Fort, N. Dak.....    | 62                                      |         | 0           | .24                                |         | .04         |
| <b>Rocky Mountain Slope:</b> |   |         |             |                                    |         |             |
| Assiniboine, Fort, Mont..... | 60                                      | 28      |             | .35                                |         | .13         |
| Helena, Mont.....            | 62                                      | 14      |             | .25                                |         | .25         |
| Fort Custer, Mont.....       | 64                                      | 14      |             | .21                                |         | .11         |
| Salt Lake City, Utah.....    | 70                                      | 28      |             | .17                                |         | .16         |
| Cheyenne, Wyo.....           | 61                                      |         | 0           | .28                                | .16     |             |
| North Platte, Nebr.....      | 67                                      |         | 14          | .45                                |         | .43         |
| Denver, Colo.....            | 66                                      |         | 0           | .31                                |         | .23         |
| Montrose, Colo.....          | 66                                      | 14      |             | .24                                |         | .13         |
| Pueblo, Colo.....            | 69                                      |         | 0           | .42                                |         | .38         |
| Dodge City, Kans.....        | 72                                      |         | 28          | .37                                |         | .37         |
| Sill, Fort, Ind. T.....      | 77                                      |         | 38          | .77                                |         | .71         |
| Santa Fe, N. Mex.....        | 64                                      |         | 14          | .45                                | .01     |             |
| <b>Pacific Coast:</b>        |   |         |             |                                    |         |             |
| Olympia, Wash.....           | 60                                      |         | 0           | .33                                |         | .33         |
| Portland, Oreg.....          | 64                                      | 28      |             | .19                                |         | .19         |
| Roseburg, Oreg.....          | 64                                      | 42      |             | .07                                |         | .07         |
| Red Bluff, Cal.....          | 77                                      | 56      |             | .09                                |         | .09         |
| Sacramento, Cal.....         | 72                                      | 28      |             | .03                                |         | .03         |
| San Francisco, Cal.....      | 61                                      |         | 0           | .00                                |         | .00         |
| Los Angeles, Cal.....        | 72                                      | 28      |             | .00                                |         | .00         |
| San Diego, Cal.....          | 69                                      | 29      |             | .00                                |         | .00         |
| Yuma, Ariz.....              | 88                                      | 28      |             | .07                                |         | .07         |

## FOREIGN.

(Reports received through the Department of State and other channels.)

*Sanitary commission at Constantinople—Report of United States commissioner—The cholera in Asiatic Turkey.*

## REPORT No. 30.

Cholera is spreading. Every day new villages are affected and cholera deaths are announced. The total number of deaths since the official ascertainment of the epidemic in the vilayet of Aleppo—that is to say, from the 9th of June up to the present date, is 950. I must repeat that this number is far below the reality, as those places are without physicians, except the main towns, Aleppo, Alexandretta, and one or two more. We have no news from the surrounding vilayets, such as Marash and Mamuriet-el-Aziz. In the villages where the epidemic is raging they burn the huts in order to disinfect the place. Now five military physicians have been sent to those vilayets, and a sanitary cordon has been established on the Euphrates at Biredjie and Rumkaleh. I must mention a very curious fact, by which it can be easily understood how the Turkish authorities behave. Two villages near Aleppo have been put under quarantine in order to check the outspread of the epidemic. The Moslem and the Christians were allowed to go out from the villages, but it was not so for the Jews, who were compelled to stay in. It was a happy thing that many among the Jews were English subjects and the British consul interfered, otherwise poor infidels would die from starvation. Though I do not doubt that with a little sum of money they would be allowed to go out like their neighbors, Moslem and Christians, but the interference of the British consul has saved their money.

The sanitary condition of those places is always imperfect and worse. In the Hedjaz cholera exists always. The total number of deaths, according to the official reports, is 3,154. The pilgrims have begun to withdraw to their respective countries and undergo quarantine at Camaran or at Tor, according as they go by way of the Indian Ocean or the Mediterranean. I must notice that at Tor they have made many improvements. For instance, they have established furnaces for disinfection, an employé for the microscopical examination and culture of the microbes overlooking employés in order to shield the pilgrims, etc., and the water as well as the food will be of better quality.

SPIRIDION C. ZAVITZIANO.

CONSTANTINOPLE, the 19th of August, 1891.

*Vessel from infected port bound for the United States.*

Under date of August 11, 1890, the United States consular agent at Aleppo reports the departure, on the 6th of August, of the Italian bark *Oliva Specioso* from Alexandretta, loaded with liquorice root, destined for New York. Alexandretta is a cholera-infected port. The health officer at New York has been notified.

**BRAZIL—Para.**—Month of July, 1891. Population, 80,000. Total deaths, 126, including yellow fever, 12; pernicious fever, 2; enteric fever, 1; phthisis pulmonalis, 12; and diphtheria, 1.

**CAPE VERDE ISLANDS—Removal of quarantine against St. Vincent.**—The United States consul at Santiago reports that the quarantine heretofore placed on the port of St. Vincent was removed August 12 and the port declared free from all contagious diseases.

**CUBA—Havana.**—The United States sanitary inspector, under date of August 29, 1891, makes the following report:

There were 116 deaths in this city during the week ended August 27, 1891.

Eleven of those deaths were caused by yellow fever (with approximately 70 new cases), 3 by smallpox (approximately 30 new cases). Five of the deaths were caused by pernicious fever, 3 by enteric fever, 1 by bilious fever, and 2 by paludal fevers.

The majority of the cases at present of yellow fever are of a benignant character, suggesting the idea that now would be a good time to have it, if ever.

**GREAT BRITAIN—England and Wales.**—The deaths registered in 28 great towns of England and Wales during the week ended August 22 corresponded to an annual rate of 18.0 a thousand of the aggregate population, which is estimated at 9,405,108. The lowest rate was recorded in Halifax, viz, 8.8, and the highest in Sunderland, viz, 26.6 a thousand.

**London.**—One thousand four hundred and forty-five deaths were registered during the week, including measles, 20; scarlet fever, 13; diphtheria, 24; whooping cough, 44; enteric fever, 6; and diarrhoea and dysentery, 167. The deaths from all causes corresponded to an annual rate of 19.0 a thousand. Diseases of the respiratory organs caused 157 deaths. In greater London 1,800 deaths were registered, corresponding to an annual rate of 16.7 a thousand of the population. In the "outer ring" the deaths included whooping cough, 11.

**Newcastle-upon-Tyne.**—Two weeks ended August 22, 1891. Population, 186,500. Total deaths, 128, including 2 from enteric fever.

**Ireland.**—The average annual death rate represented by the deaths registered during the week ended August 22, in the 16 principal town districts of Ireland, was 18.0 a thousand of the population. The lowest rate was recorded in Newry, viz, 3.9, and the highest in Sligo, viz, 67.6 a thousand. In Dublin and suburbs 141 deaths were registered, including scarlet fever 1 and whooping cough 1.

**Scotland.**—The deaths registered in 8 principal towns during the week ended August 22 corresponded to an annual rate of 18.7 a thousand of the population, which is estimated at 1,338,313. The lowest mor-



talities were recorded in Leith, viz, 15.6, and the highest in Greenock, viz, 23.0 a thousand. The aggregate number of deaths registered from all causes was 482, including measles, 7; scarlet fever, 8; diphtheria, 2; whooping cough, 17; fever, 5; and diarrhœa, 39.

*Dundee—Health report for July, 1891.*—During the month of July there were 248 deaths registered in Dundee, representing an annual death-rate of 18.8 per 1,000, and including typhus fever, 1; enteric fever, 1; diphtheria, 1; and whooping cough, 14.

The following table shows the deaths and death-rates for the years noted :

|                           | 1888. | 1889. | 1890. | 1891. |
|---------------------------|-------|-------|-------|-------|
| Deaths in July.....       | 189   | 219   | 268   | 248   |
| Death-rate per 1,000..... | 13.86 | 15.8  | 19.01 | 18.8  |

*France—Nice.*—Month of July, 1891. Population, 97,720. Total deaths, 178; including phthisis pulmonalis, 8; smallpox, 1; enteric fever, 2; and diphtheria and croup, 1.

*Turkey-in-Asia—Aleppo—Deaths from cholera.*—The United States consul at Beirut, Syria, under dates of August 5 and August 12, 1891, reports 412 deaths from cholera during the two weeks ended August 12, 1891.

## MORTALITY TABLE, FOREIGN CITIES.

| Cities.                    | Week ended. | Estimated population. | Total deaths from all causes. | Deaths from— |               |           |               |                |                |             |          |
|----------------------------|-------------|-----------------------|-------------------------------|--------------|---------------|-----------|---------------|----------------|----------------|-------------|----------|
|                            |             |                       |                               | Cholera.     | Yellow fever. | Smallpox. | Typhus fever. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. |
| Brussels.....              | Aug. 15.... | 482,158               | 187                           |              |               | 1         |               | 3              |                |             |          |
| Calcutta.....              | June 27.... | 433,219               | 188                           | 5            |               |           |               |                |                | 1           |          |
| Calcutta.....              | July 4..... | 433,219               | 162                           | 12           |               |           |               |                |                |             |          |
| Calcutta.....              | July 11.... | 433,219               | 172                           | 64           |               |           |               |                |                |             |          |
| Leipzig.....               | Aug. 15.... | 362,555               | 229                           |              |               |           |               |                | 1              | 1           |          |
| Munich.....                | Aug. 8..... | 349,000               | 241                           |              |               |           |               |                | 1              | 4           |          |
| Munich.....                | Aug. 15.... | 349,000               | 212                           |              |               |           |               |                | 3              | 6           |          |
| Odessa.....                | Aug. 15.... | 295,000               | 193                           |              |               |           |               | 4              |                |             | 3        |
| Cologne.....               | Aug. 22.... | 286,631               | 146                           |              |               |           |               |                | 1              | 2           | 2        |
| Cologne.....               | Aug. 15.... | 286,631               | 136                           |              |               |           |               |                |                |             | 3        |
| Dresden.....               | Aug. 15.... | 276,533               | 116                           |              |               |           |               |                |                | 2           |          |
| Palermo.....               | Aug. 15.... | 250,000               | 117                           |              |               |           |               | 1              |                | 1           |          |
| Pernambuco.....            | Aug. 4..... | 200,000               | 72                            |              |               |           |               |                |                |             |          |
| Pernambuco.....            | Aug. 11.... | 200,000               | 79                            |              |               |           |               |                |                |             |          |
| Prague.....                | Aug. 15.... | 182,530               | 111                           |              |               |           |               | 3              | 1              | 2           |          |
| Frankfort-on-the-Main..... | Aug. 15.... | 179,860               | 71                            |              |               |           |               |                |                | 4           |          |
| Venice.....                | Aug. 15.... | 159,190               | 65                            |              |               |           |               | 4              |                | 4           |          |
| Trieste.....               | Aug. 15.... | 158,064               | 73                            |              |               |           |               |                |                | 3           |          |
| Nuremberg.....             | Aug. 8..... | 142,523               | 63                            |              |               |           |               |                | 2              |             |          |
| Stuttgart.....             | Aug. 22.... | 139,659               | 49                            |              |               |           |               |                |                | 2           |          |
| Madeira.....               | Aug. 15.... | 133,280               | 17                            |              |               |           |               |                |                |             |          |
| Bremen.....                | Aug. 15.... | 125,500               | 47                            |              |               |           |               | 3              | 7              | 2           |          |
| Crefeld.....               | Aug. 15.... | 108,000               | 78                            |              |               |           |               |                |                | 1           |          |
| Crefeld.....               | Aug. 22.... | 108,000               | 60                            |              |               |           |               |                |                | 2           |          |
| Gothenburg.....            | Aug. 15.... | 106,246               | 27                            |              |               |           |               |                |                |             |          |
| Aix-la-Chapelle.....       | Aug. 16.... | 105,014               | 43                            |              |               |           |               |                |                |             |          |
| Colombo.....               | July 23.... | 97,129                |                               |              |               | 2         |               |                |                |             |          |
| Mannheim.....              | Aug. 15.... | 80,000                | 45                            |              |               |           |               |                |                | 1           |          |
| Paris.....                 | July 26.... | 80,000                | 32                            |              | 1             |           |               |                |                |             |          |
| Paris.....                 | Aug. 2..... | 80,000                | 35                            |              | 5             |           |               |                |                |             |          |
| Paris.....                 | Aug. 9..... | 80,000                | 32                            |              | 4             |           |               | 3              |                |             |          |
| Paris.....                 | Aug. 16.... | 80,000                | 46                            |              | 6             |           | 3             | 4              |                |             |          |
| Cadix.....                 | Aug. 8..... | 57,157                | 62                            |              | 3             |           |               | 1              |                |             | 6        |
| Cadix.....                 | Aug. 15.... | 57,157                | 52                            |              | 2             |           |               |                |                |             |          |
| Trapani.....               | Aug. 15.... | 43,095                | 13                            |              |               |           |               |                |                |             |          |
| Marsala.....               | Aug. 15.... | 40,131                | 31                            |              |               |           |               | 2              |                |             |          |
| Gibraltar.....             | Aug. 16.... | 25,755                | 5                             |              |               |           |               |                |                |             |          |
| Girgenti.....              | Aug. 15.... | 23,547                | 8                             |              |               |           |               |                |                |             |          |
| Lions.....                 | Aug. 15.... | 20,000                | 14                            |              |               |           |               |                | 4              |             |          |
| Queenstown.....            | Aug. 15.... | 10,340                | 2                             |              |               |           |               |                |                |             |          |
| Queenstown.....            | Aug. 22.... | 10,340                | 5                             |              |               |           |               |                |                |             |          |
| Chatham.....               | Aug. 29.... | 8,730                 | 2                             |              |               |           |               |                |                |             |          |

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